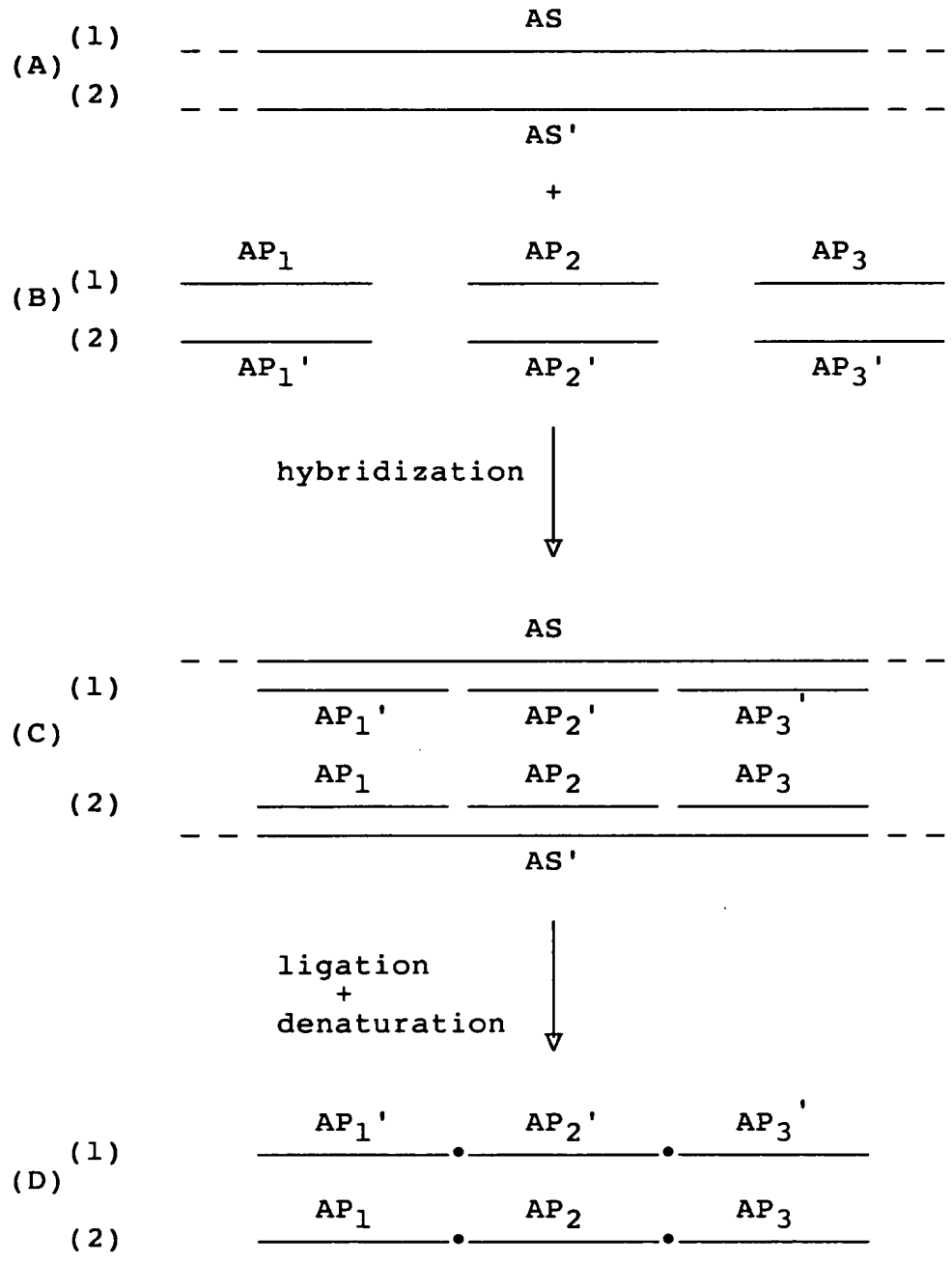
FIG. 1

Amplification Procedure

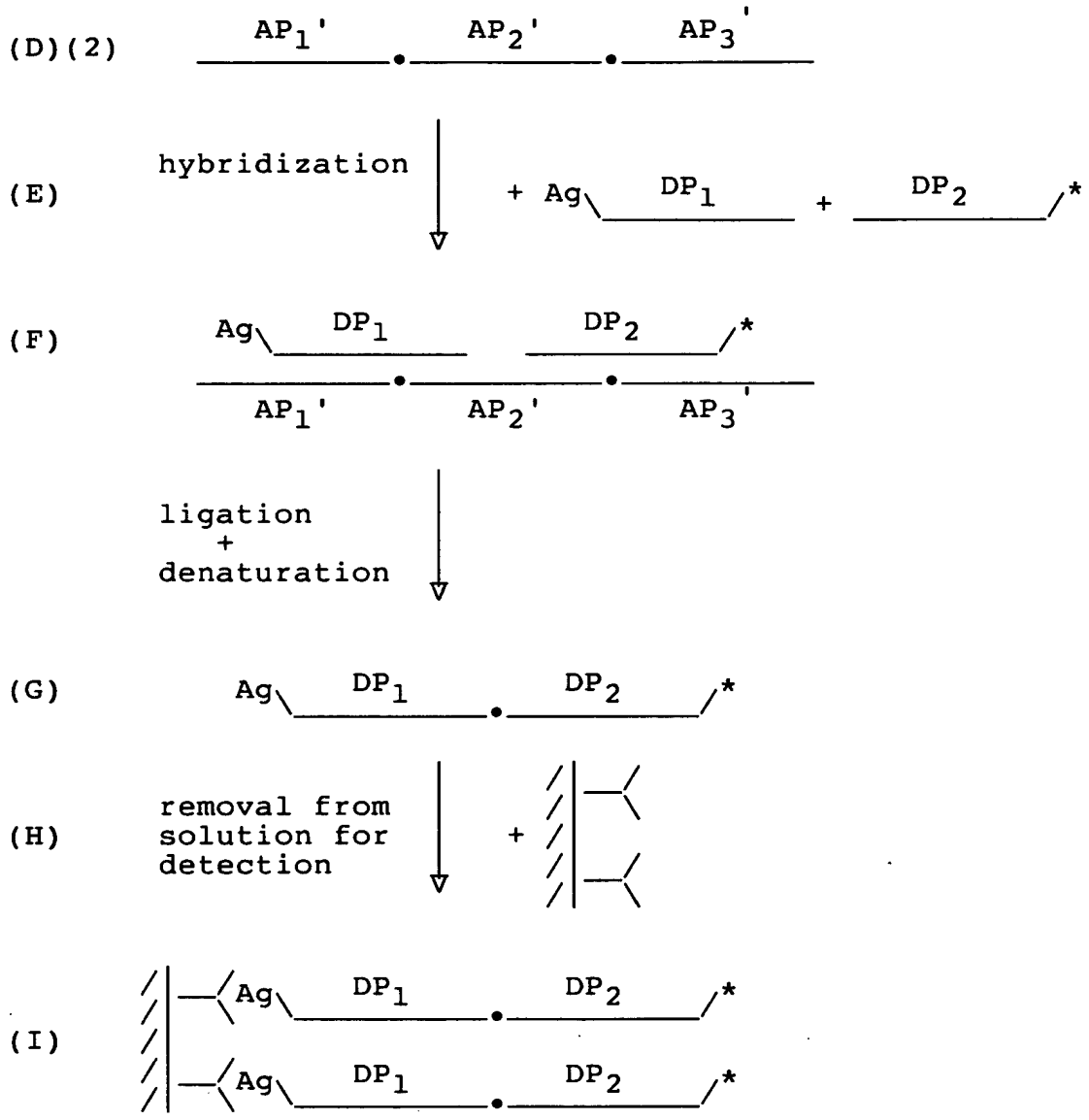


WHEREIN:

AS and AS' = amplification sequence
AP and AP' = amplification probes

FIG. 2

Detection Procedure

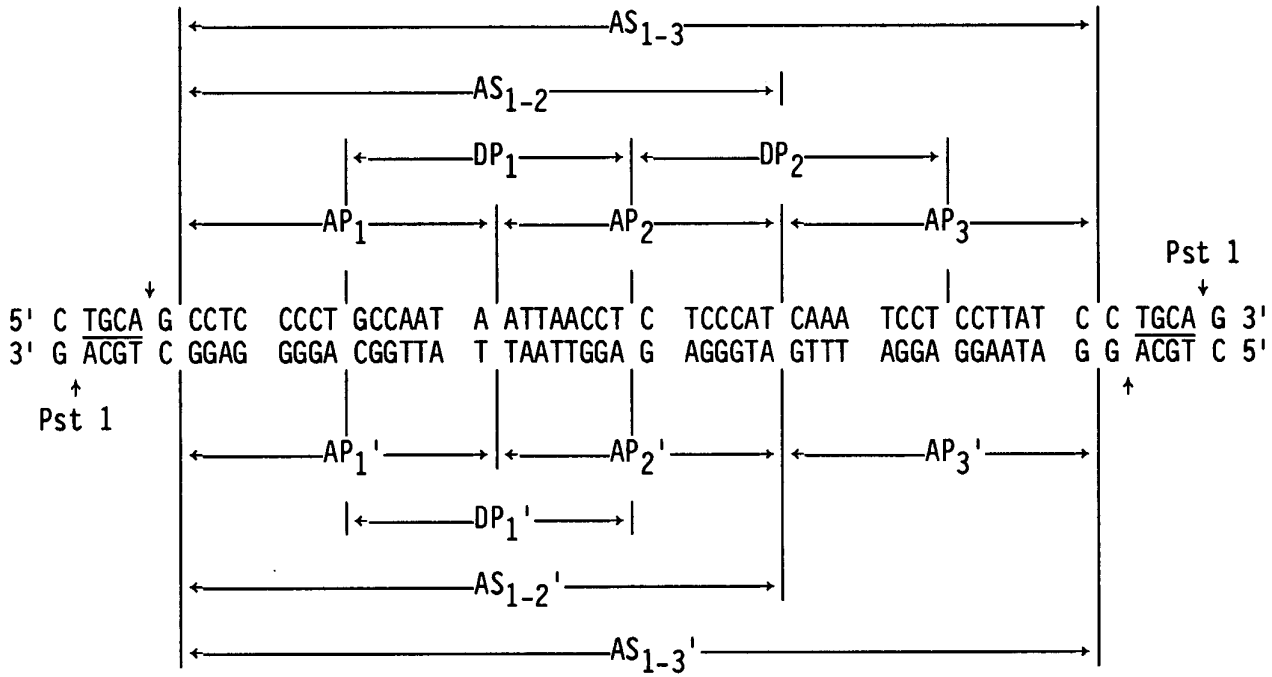


WHEREIN:

AP' = amplification probe segment
DP = detection probe
Ag = antigen
* = detectable label
/| = insoluble support
—< = antibody

FIG. 3

Nucleotide Sequences Used in Examples 2-8



WHEREIN:

AS_{1-3} and AS_{1-3}' = target sequences in Examples 4-6

AS_{1-2} and AS_{1-2}' = target sequences in Examples 2, 3, and 8

AP_1, AP_1', AP_2, AP_2', AP_3, and AP_3' = amplification probes in Examples 4-5

AP_1, AP_1', AP_2, and AP_2', = amplification probes in Examples 2-3

DP_1, and DP_2 = detection probes in Example 6

DP_1' = detection probe in Example 8

FIG. 4

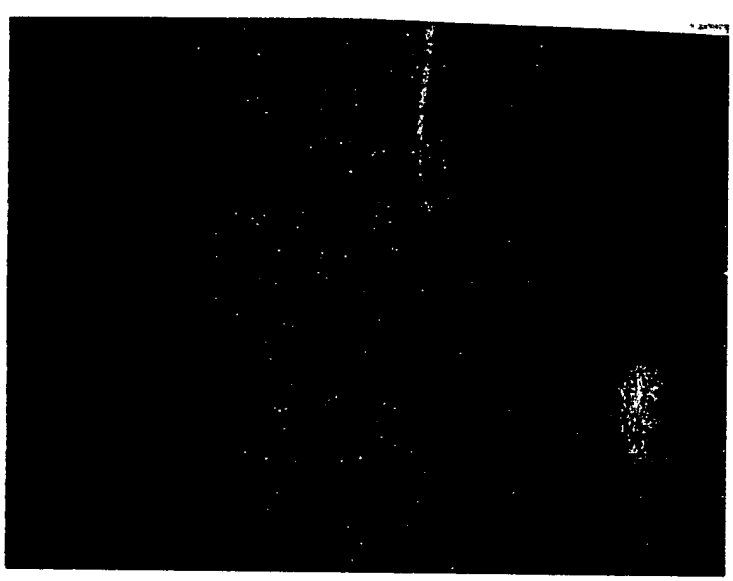
Amplification of 30-mer Amplification Sequence
Using Two Pairs of Amplification Probes
and 10 Cycles of Amplification

Reaction I

Reaction II

FIG. 5

Amplification of 45-mer Amplification Sequence
Using Three Pairs of Amplification Probes
and 10 Cycles of Amplification



Reaction I

Reaction II

FIG. 6

Detection of 30-mer Amplification Product Using One Labeled and One Non-labeled Detection Probe

Reaction II

Reaction I